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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/485,094	02/04/2000	KARI REPONEN	PM266020	1466

7590 03/31/2003
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EXAMINER
EMDADI, KAMRAN

ART UNIT	PAPER NUMBER
2664	6

DATE MAILED: 03/31/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/485,094

Applicant(s)

REPONEN, KARI

Examiner

Kamran Emdadi

Art Unit

2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 February 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

2. The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).
3. Claims 1, 2, 8, 10, 11, and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Nagashima (US Patent No. 6463050).
 - Regarding claims 1, 8, 10 and 17, Nagashima teaches: a base station that uses TDMA time slots and has a power controlling mechanism that changes the power used to transmit a single slot where slots in the timing system differ from slot to slot, and a plurality of receivers in the base station power controlling unit (Cols 1 and 2, lines 55-67 and 1-15).
 - Regarding claims 2 and 11, Nagashima teaches: a control signal in the time slot transmitted for power adjustment (Col 1, lines 65-67).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 3-7, 9, and 12-16 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nagashima (US Patent No. 6463050) in view of Schieder (US Patent No. 6469992).

- Regarding claims 3-7, 9, 11-16 and 18, Nagashima teaches: a base station with time slots allotted to have different power transmissions for efficient power consumption by the base station, but fails to teach of the wireless system having a GPRS standard wireless compatibility or packet switching and high speed data switching used by GPRS and frequency hopping as a technology implemented by the invention. Schieder teaches: a packet transmission system with a plurality of base stations (Figure 16) that uses GSM technology (Figure 12) and GPRS data packet transfer (Figure 15) and the use of frequency hopping is used to overcome some of the deficiencies of the prior art (Col 2, lines 53-60), and time slots used by the GPRS system to include a TDMA infrastructure within (Col 15, lines 14-20). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included the use of TDMA slots in a GPRS system for higher bandwidth capabilities established by the frequency hopping

scheme used by GPRS to maintain and grow the capabilities of the TDMA system claimed by the applicant and combine the advantages of power saving and high speed data services.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - Saleh et al. (US Patent No. 6163701) Location system for a mobile station.
 - Cudak et al. (US Patent No. 6091757) Spread spectrum system and data transmission.
 - Afrashteh et al. (US Paten No. 5426641) Amplifier in a TDMA wireless system.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kamran Emdadi whose telephone number is (703) 305-4899. The examiner can normally be reached between the hours of 8am and 5pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin, can be reached at (703) 305-4366. The fax phone numbers for the organization where this application or proceeding is assigned is (703) 872-9314 for regular communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

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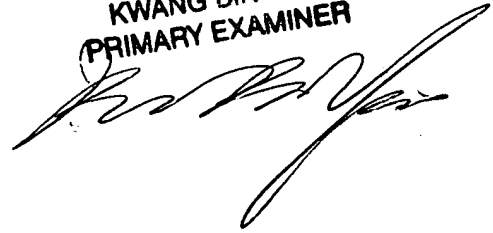
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Kamran Emdadi

03/20/2003

KWANG BIN YAO
PRIMARY EXAMINER

A handwritten signature in black ink, appearing to read 'Kwang Bin Yao', written over the printed name and title.